

## AGRICULTURAL DEPARTMENT

Material for This Department Is from the Information Service of the Utah Agricultural College.

### Soil Augers Being Used to Test the Moisture in Ground

(By O. W. Israelson, Associate Professor of Irrigation and Drainage, Utah Agricultural College.)  
Recent observations of the soil moisture content of certain plots on the Sevier experiment farm, near Richfield, Utah, indicate that soils which were given only small quantities of irrigation water last year were but partly moistened by the winter rains. The surface soil in the fall was so dry that practically all of the moisture which came as winter rain was retained in the upper eighteen inches of soil.

pigs will get the thumps and die. In case this disease appears, shut off the feed for about twelve hours and exercise the pigs.  
"The stop of shorts and skim milk should be continued until the pigs are about three months old, when the proportions of shorts to milk should be cut to about one pound of shorts to three to four pounds milk. It is at this time that other grains, such as corn, barley, etc., can be introduced. Experiments show that skim milk is one of the greatest factors that we have in the rapid growth of pigs. If skim milk is not available for any except the pigs that are being weaned, then good alfalfa pasture should be supplied."

### Spruce Production Corporation Cause Of Fire Hazard

PORTLAND, Ore., April 24.—The Western Forestry and Conservation association opened a three-day conference here today. George H. Cecil, U. S. district forester, and E. T. Allen, manager of the Western Forestry and Conservation association, both of Portland, officiated as chairman and secretary of the meetings. Forty-one persons interested in forest conservation were registered, representing the federal, state and private forests of Montana, Idaho, Washington, Oregon, California and British Columbia.

The extreme hazard to forests of the northwest created by the United States spruce production corporation while obtaining airplane materials was brought out by Forester Cecil. After the signing of the armistice work in the spruce camps stopped and no attempt was made to clear up the slashings from which grave danger is said to exist.

Captain John H. Markham of the United States spruce production corporation, asserted that it is desired to liquidate affairs of the corporation and to dispose of responsibility for fire hazard created. To do this, he declared, it will be necessary to get clearance from the timber owners on the plan made for turning over to the forest service a fund with which to clean up.

I buy Liberty bonds at highest prices. If you have bonds for sale see me. J. J. Brummitt, 2417 Hudson avenue. Phone 59.

### Feeding Important In Increasing the Profits in Pigs

(Expert Gives Feeding Instructions That Will Increase Your Profits.)  
Correct feeding is a big factor in the economic production of pork. This feeding should begin with the mother for the best results, according to Professor J. C. Hogenson, of the Utah Agricultural college. "Before the young pigs are born the sow should be given a heavy nutritious ration, in order that the young pigs will get a good start in life," says Professor Hogenson. Continuing, he says, "A ration for the sow in this condition should consist of a slop made up of a grain mixture of one part corn, and one part shorts and one part bran and milk, using one pound of the bran mixture to every three or four pounds of milk. After the sow has farrowed she should be fed about the same ration in order that her milk supply will be kept up and the young pigs be well fed. For the first two or three weeks the young pigs are fed entirely through their mother, but at the end of this time they show a desire to eat from a trough. A trough low enough for the little ones should now be built and placed inside of an enclosure which is so constructed as to keep the old sow out, but allow the little ones to go in and out. Care at this time should be exercised in order that the young pigs may get started right on their new feed and gradually weaned away from their mother. Many young pigs are stopped in their growth at weaning time, this causing quite a loss.

"The secret of successful feeding is to obtain the most growth in the shortest time. It seems that the pig starts out with a certain impetus to use food economically in large quantities for growth, and every check we put to that impetus reduces the economy of feeding. By keeping conditions at their best and thus removing any friction, the force to grow, behind the pig is very much greater than under any other condition.

"The first food given young pigs should be a slop made up of one pound of first-class shorts and five to six pounds of skim milk. If this is given to the young in such quantities as they will clean up well when they are about two to three weeks of age, at weaning time, which is at the age of from six weeks to ten weeks, the pigs will be accustomed to eating and will get enough food from the trough to keep them growing at about the same rate as before weaning.

"Care should be taken to give the little pigs plenty of exercise, or under the forced system of feeding many

### AMERICAN FLOUR AND CLOTHING SAVING LIVES

BUCHAREST, March 19.—(By Mail.)—American flour and clothing are saving the lives of thousands of destitute people throughout Rumania. The United States food administration has already brought into the country nearly 20,000 tons of flour, while the American Red Cross, which has a large mission station established here, is distributing clothing and general relief supplies of all kinds among the needy population. The flour from America arrived at a time when conditions were at their worst and when local supplies for the Rumanian people were almost exhausted. It was feared that the want of food would result in a state of bolshevism and revolution. This American flour has been a tremendous factor in preventing the unrest. From its relief stations established at Bucharest, Jassy, Constantza, Galatz, Focsa, and Pitesti, the American Red Cross is distributing its supplies, and in every important village an American Red Cross soup kitchen is helping to feed the population.

Queen Marie, who has taken the greatest interest in this relief work, has assigned Prince Carol to co-operate with the American Red Cross. Colonel Henry Anderson, Red Cross commissioner to the Balkans, said today that three large consignments of relief supplies had already arrived in Rumania and that the fourth was already on its way from Toulon, so that the American Red Cross would soon be able to care for every destitute person in Rumania.

Rumanians living along the line of the Sereth river, where most of the fighting took place, are in the worst condition. The situation in northern Rumania is reported much less acute. All hospitals are short of supplies, and the American Red Cross is endeavoring to meet their needs. Additional shipments of food, clothing, medicines and soap are being arranged for in France. To provide clothing for the poor, 600 sewing machines and thousands of yards of cloth have been sent into the interior by the American Red Cross commission.

STRIKE TO END LIMERICK, April 24. (By The Associated Press)—The strike which has been in progress in Limerick for some time is to be called off tonight, the military authorities having made slight concessions to the strikers at the request of the mayor and the bishop of Limerick.

### C. O. FORD IS FIRST CLASS GUNNER ON SUBMARINE

Mrs. Flora Ford, 3250 Taylor avenue, has received an interesting letter and newspaper from her son, C. O. Ford, first class gunner on one of the submarines which comprise the fleet with the U. S. S. Rainbow, now on a cruise in the West Indies. The mother ship and her ugly ducklings, as the "subs" are termed, arrived at San Juan, Porto Rico, on April 5 for a short stay. The Times, a Spanish-American paper, gives the following account of the visit of the fleet:  
"The U. S. S. Rainbow, supply and flag ship of Commander John Rogers, Commander of the Tenth Submarine division, U. S. N., dropped anchor in mid-harbor yesterday afternoon, and soon thereafter submarines commenced spilling into the harbor in a procession a mile or so in length, furnishing the native population with a thrill that would have resulted in a panic only a few months ago. There are six in the party, and as they came in they were as much alike as so many peas in a pod, except that they bear numbers from "O-11" to "O-16" inclusive. They are all of the same type and move like clock-work. It was both novel and entertaining to see the little grey ducklings slide up and cluster around the mother ship, for all the world like a family party of aquatic fowls.

"The long promised visit of Uncle Sam's undersea craft has become a reality, and it is up to the people of San Juan to see that the splendid young Americans who man them have a good time during their week-end visit to this port. Three of the "subs" have been in this port on individual short cruises from their St. Thomas base during the past few weeks, but this is the first time that the port has been honored with the presence of the whole Division. Their stay will be short—three or four days at the most. The men are being given full liberty, and are pleased to have the opportunity of stretching their legs ashore in "the first real town" for more than three months.

"The Division comprises six of the latest models of the Lake submarine type, built at Bridgeport, Conn., by the Simon Lake Torpedo Boat Co. They were put in commission during the last days of 1918 at Newport, with trained officers and picked men, and sailed on the present cruise from Norfolk on New Year's day. After their first call at Guantanamo they proceeded to the Gulf of Mexico, off Santa Cruz, for torpedo practice and then took part in fleet maneuvers before proceeding to St. Thomas, which has been their headquarters.

"The U. S. S. Rainbow, now under command of Lieut. Com. Rice, is a naval ship with a history. At one time she was held to be the most magnificent appointed ship for the accommodation of officers in the navy, and has carried more than one admiral's flag. At present, in addition to her own complement of 400 crew and officers, she is the home of the thirty odd officers of the submarines, and their crews as well, whenever the "subs" are not cruising or at practice work. The Rainbow, like the U. S. S. Melville, recently in port with Admiral Plunkett, is fitted with machine shops, oil tanks, store houses and other means of giving aid and comfort to her flock of "ugly ducklings." The skipper seems to be a popular man with the members of the crew, but they say he can be a martinet when occasion demands.

"Each of the submarines is commanded by a lieutenant-commander and carries three officers of junior grade—executive, engineer and gunner. The enlisted crews number from 30 to 35 on each boat and every man aboard is a picked man and carries a rating. The enlisted men are classified as machinists, electricians, radio men and gunners. In addition to their regular pay they get a bonus of \$1 per man for every "dive" up to fifteen dives per month, and all prefer to acquire the maximum. Each submarine has an individual cruising radius of 3,000 miles; is equipped with wireless, listening tubes, telephones and oscillators—for signaling under seas—and can make 17 knots on the surface and 12 knots submerged. There are later models in the big cruiser types—"S" and "T" classes—but these little chaps are practically the last word in sea wasps of their size. In length they are 175 feet and their draft is about 15 feet when their decks are awash. They are not reckoned as much for homes, but when it comes to fighting, they may be described as 'de luxe'."

### Deposits Prove the People of Ogden Can Buy Bonds

While the baby tank was tuning up for its performance at the east end of the street car track on Twenty-fifth street last evening following the speech of Billy Sunday, at the Alhambra theater, Prof. Frank Priggs of the state school for the deaf and blind stood on the steel shell of the Hun chaser and spoke a few minutes for the Victory loan.

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"There was a gain of approximately \$800,000 in the savings of Ogden from January, 1918, to March 1, 1919," said Mr. Driggs, "which shows that the people of this city have money that they can invest."

Professor Driggs stated that he had made an investigation of the increase in bank deposits in this city on the first of March and learned that wealth has increased very materially during the past year, in spite of the war and high prices.

### Admiral Kolchak Sees Long Struggle Ahead for Russia

OMSK, Siberia, March 5.—(Correspondence of the Associated Press.)—Admiral Kolchak, head of the All-Russian government, speaking recently in Ekaterinburg before a conference of members of the Duma, zemstvo and other organizations, reiterated his belief in democracy for Russia, declaring it to be "the only admissible form of future government."

Bolshevism, he said, is destroying the very foundation of authority in the country and means a desperate struggle for a long time.

At present, he pointed out, conditions sometimes force the government to employ means which do not correspond with principles of democracy, but he assured his hearers that such measures were temporary and that steps were being taken to insure universal suffrage, labor and land legislation and to develop organs of self-government.

"The government endeavors to maintain and strengthen friendly relations with the allies," said the dictator. "Russia was alarmed by the invitation to send her delegates to Prince's Islands to negotiate with bolsheviks. Now this question is settled. The statesmen of western Europe now see the truth and blame the bolsheviks; calling them murderers and terrorists, as did Lloyd George.

"The government is inspired with the ideal of restoring the motherland. It is not called upon to settle all fundamental questions. The Russian people is master of its fate. Released from the yoke of bolshevism it will, through

its representatives in a national assembly, express its will in regard to its form of government and its social structure. Then the present government will transfer its power to such an authorized government."

### Germans Rob the Red Cross Parcels Sent to Prisoners

SYDNEY, Australia, March 10.—(By mail.)—Charges that Germans who handled Red Cross parcels for Australian soldiers in German prison camps robbed the prisoners of their Red Cross parcels are made by Captain Alexander Donaldson of the steamship Matunga. He was captured when the Matunga was taken by the German raider Wolf and was sent to a prison camp in the Harz mountains. "The officer in charge of the camp was an old rogue," said Captain Donaldson. "He seemed to make a business of robbing us of our Red Cross parcels. About 40 per cent of them went astray before the armistice and about 80 per cent after it, owing to disorganization in Germany. The 'Fritz' who had the job of driving from the station to the camp with our parcels had a habit of dropping a lot of them off at his shop on the way up."

Doug Fairbanks, in "The Lamb," and Fatty Arbuckle in "The Waiters' Ball," at the Lyceum today only. Coming Sunday and Monday, Ince's greatest production, "Civilization," at our usual prices, 6c and 10c.

LIBERTY BONDS  
NEW YORK, April 25.—Liberty bonds at 11:30 a. m. today were: 3 1/4s 98.48; first 4s 95.80; second 4s 93.30; first 4 1/2s 95.80; second 4 1/2s 93.36; third 4 1/2s 95.20; fourth 4 1/2s 93.24.

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